



COMMAND, CONTROL,  
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INTELLIGENCE

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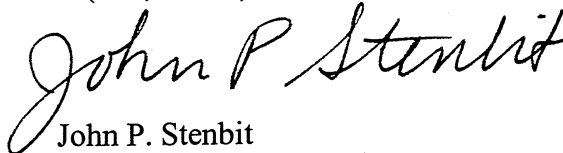
MEMORANDUM FOR SECRETARIES OF THE MILIARY DEPARTMENTS  
CHAIRMAN OF THE JOINT CHIEFS OF STAFF  
UNDER SECRETARIES OF DEFENSE  
DIRECTOR, DEFENSE RESEARCH AND ENGINEERING  
ASSISTANT SECRETARIES OF DEFENSE  
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE  
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE  
DIRECTOR, OPERATIONAL TEST AND EVALUATION  
DIRECTOR, NATIONAL RECONNAISSANCE OFFICE  
DIRECTOR, ADMINISTRATION AND MANAGEMENT  
DIRECTORS OF DEFENSE AGENCIES  
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Information Assurance Scholarship Program Academic Year 2002-2003:  
Training Opportunity for Civilian and Military Personnel

I am pleased to invite your nomination of candidates for the Information Assurance Scholarship Program designed to enable DoD civilian employees and military members to attend school full-time to earn degrees in the Information Assurance disciplines.

Components are requested to nominate qualified civilian and military personnel to receive full scholarship assistance to pursue a master's or doctoral degree program in Academic Year 2002-2003. The participating institutions offering programs of instruction leading to a master's or doctoral degree are the Information Resources Management College (IRMC) of the National Defense University (NDU) in cooperation with IRMC's Partner Universities, the Naval Postgraduate School (NPS) in Monterey, California, and the Air Force Institute of Technology (AFIT) at Wright-Patterson AFB, Ohio.

The attachment provides information on eligibility requirements, Component quota allocation, service obligations, application procedures and deadlines for submission. Quota allocations are projected and contingent on funding. The program point of contact for more information is Ms. Joyce France, OASD(C3I, DCIO) at 703-604-1489, ext 114.

  
John P. Stenbit

Attachment  
As stated



## **Information Assurance Scholarship Program Academic Year 2002-2003**

### **Training Opportunity for Civilian Employees and Military Personnel**

**Introduction.** The Information Assurance Scholarship Program authorized by Chapter 112, title 10, United States Code, is designed to increase the number of qualified personnel entering the field of Information Assurance (IA) to meet DoD's increasing dependence on information technology for warfighting and the security of its information infrastructure.

The program, now in its second academic year, is expected to grow in future years to meet increasing demands for information technology professionals with an information assurance focus. This year, the Department will focus on enabling qualified civilians and military members to participate in full-time study to complete master's degrees or to begin doctoral programs in information assurance disciplines. For the outyears, the Department may expand the program to include associate and undergraduate degrees, and certificate programs, as permitted by the statute.

**Definitions.** For purposes of this program, the term Information Assurance encompasses the scientific, technical, and management disciplines required to ensure computer and network security, such as:

- system/network administration and operations
- systems security engineering
- information assurance systems and product acquisition
- cryptography
- threat and vulnerability assessment, to including risk management
- web security
- the operations of computer emergency response teams
- information assurance training, education and management
- computer forensics
- defensive information operations

Relevant academic disciplines, with concentrations in Information Assurance, include, but are not limited to: Mathematics, Biometrics, Electrical Engineering, Computer Science, Computer Engineering, Software Engineering, Computer Programming, Computer Support, Data Base Administration, Computer Systems Analysis, Operations Research, Information Security (Assurance) and Business Management or Administration.

**Academic Year 2002-2003.** Components are asked to nominate qualified civilian employees and military members to receive full scholarship assistance to begin or complete a master's or doctoral degree program in an Information Assurance discipline in Academic Year 2002-2003. Although quotas are designated, the actual number of scholarships available will be contingent on funding.

**Participating Institutions.** The institutions offering academic programs leading to a master's or doctoral degree program are the Information Resources Management College (IRMC) of the National Defense University (NDU) in cooperation with IRMC's Partner

Universities located throughout the United States; the Naval Postgraduate School (NPS); and the Air Force Institute of Technology (AFIT).

**Program Costs.** The cost of tuition, fees and books at IRMC and IRMC's partnering institutions, and at NPS and AFIT will be covered by the program. Additionally, TDY funding to IRMC, if necessary, is covered by the program. Any other TDY and/or PCS costs must be covered by the nominating Component. Participants will continue to receive their military pay or civilian salaries from their Component throughout their course of study.

**Obligations.** Participants are obligated to maintain good standing in their degree programs, to continue in service as civilian employees or military members and where applicable, to repay program costs for failure to complete the degree program satisfactorily or to fulfill the service commitment consistent with law 5.U.S.C. 4108 and 10 U.S.C. 2200a(b)(2) and (3) and policy of the Department and the respective Component.

## **APPLICATION PROCESS**

### **Information Resources Management College, National Defense University**

**IRMC/NDU Information Assurance Partnership.** During Academic Year 2002-2003, the Information Assurance Scholarship Program, as conducted by IRMC, will focus on civilian and military members who wish to pursue a full-time master's or doctoral degree in an Information Assurance discipline. A total of 18 students (8 civilian, 6 military, and 4 at-large) will be selected for the semester beginning in January 2003.

These students will complete the first part of their degree at IRMC and transfer to a Partner University after April 2003 to complete the remaining degree requirements.

All IRMC students will complete IRMC's Chief Information Officer Certificate Program (Advanced Management Program option) **and** National Security Telecommunications and Information Systems Security Instruction (NSTISSI) 4011 Certification in residence at the Ft. McNair, Washington, DC campus. The program is 14 weeks long. Further specifics on the IRMC program may be found at [www.ndu.edu/irmc](http://www.ndu.edu/irmc).

Upon successful completion of the IRMC requirements, participants will continue their studies and complete their master's or doctoral degree at a Partner University. Students entering Partnering Universities will receive up to 15 graduate transfer credits toward completing their advanced degrees. The particular degree the participant earns varies by institution, but all degrees focus on information assurance. Current participating universities are:

- George Mason University

PhD in Information Technology  
PhD in Computer Science  
MS in Information Systems

- |  |   |
|--|---|
|  | MS in Software Engineering<br><i>Accepts 9 credit hours from IRMC</i>                         |
| • Syracuse University<br>Management          | MS in Information Resource<br>(IA concentration)<br><i>Accepts 15 credit hours from IRMC</i>  |
| • University of Maryland<br>Baltimore County | PhD in Computer Science<br>MS in Computer Science<br><i>Accepts 9 credit hours from IRMC</i>  |
| • University of North Carolina<br>Charlotte  | MS in Information Technology<br><i>Accepts 15 credit hours from IRMC</i>                      |
| • University of Tulsa                        | PhD in Computer Science<br>MS in Computer Science<br><i>Accepts 15 credit hours from IRMC</i> |

More detailed information on Partnering Universities may be found on either the information assurance scholarship website at [www.c3i.osd.mil/iasp](http://www.c3i.osd.mil/iasp) or each Partner University's own website.

Civilian applicants must be a GS/GM-13 or above and military applicants must be O-5 or above. GS-12s and O-4s may have the grade requirement waived with a strong justification signed by their supervisors. The waiver must document the applicant's ability to work at higher grade levels. Additionally, all applicants must have an earned bachelor's degree with a minimum grade point average of 3.0 out of 4.0, or equivalent. Applicants who have an earned master's degree must have attained a grade point average of 3.0 out of 4.0, or equivalent. All applicants must possess at least a Secret clearance.

Component nomination packages for each candidate must be forwarded through appropriate service/agency personnel channels and must include a resume; a recommendation from the individual's supervisor with the endorsement of the next level superior officer; official transcripts reflecting undergraduate and/or graduate coursework as appropriate; and documentation of the individual's security clearance. Candidates may be asked to take the Graduate Record Examination or equivalent, if required by the participating Partner University. Additionally, Partnering Universities may require a higher grade point average and/or prerequisite courses.

**Quotas/Student Nominations.** Eighteen quotas, beginning in January 2003, have been set aside for IRMC's CIO Certificate Program (Advanced Management Program option with NSTISSI 4011 Certification). Graduates of this program will have a follow-on opportunity to complete master's or doctoral degree requirements at a Partner University. [All partner institutions are designated as Centers of Academic Excellence in Information Assurance Education.] Component nominations for IRMC classes starting in January 2003 are due by November 8, 2002. Component nominations should identify the preferred partnering institution for attendance following IRMC graduation. Nomination packages should be forwarded to:

Ms. Donita McGeary  
Associate Dean of Faculty and Academic Programs  
Information Resources Management College  
Bldg 62, 300 5<sup>th</sup> Ave.  
Fort Lesley J. McNair  
Washington, DC 20319-5066

Questions concerning IRMC programs and those of its partnering institutions should be addressed to Ms. McGeary at Comm: (202-685-3888), DSN 325-3888 or via email at mcgearyd@ndu.edu.

**IRMC AMP/CIO Certificate and 4011 Certification Graduates.** DoD civilian employees and military members who already possess a CIO Certificate and/or an Advanced Management Program diploma (earned at IRMC in FY 01 or later) **and** a 4011 NSTISSI Certification may apply for a scholarship to complete their master's or doctorate degrees. Students scheduled to complete both requirements prior to December 2002 are also eligible to compete for scholarships. These participants will receive up to 15 graduate transfer credits upon beginning their scholarship studies at one of IRMC's partner institutions. Up to five scholarships with Partner Universities are available, beginning in January 2003, for students who have already met or will meet the IRMC prerequisites.

Component nomination packages for each candidate must include: a resume; a recommendation from the candidate's supervisor with the endorsement of the next level superior officer; undergraduate and graduate official transcripts as appropriate; an IRMC transcript reflecting completion of the IRMC prerequisites; and a copy of the individual's security clearance documents. Candidates may be asked to take the Graduate Record Examination or equivalent if required by the participating Partner University.

**Quotas/Student Nominations.** Five quotas will be made available for scholarships at the Partner Universities for civilian employees and military members who have completed the IRMC prerequisite program (CIO Certificate Program and NSTISSI 4011 Certification). These 5 quotas are in addition to the 18 quotas reserved for individuals who complete the IRMC prerequisites during Academic Year 2002-2003. Component nominations are due by November 8, 2002, for classes beginning in January 2003. Nominations should identify preferred partnering school for attendance. Component nominations are to be sent to:

Ms. Donita McGeary  
Associate Dean of Faculty and Academic Programs  
Information Resources Management College  
Bldg 62, 300 5<sup>th</sup> Ave.  
Fort Lesley J. McNair,  
Washington, DC 20319

## **Naval Postgraduate School (NPS)**

The NPS is offering an opportunity to complete a Master of Science or a PhD degree in Computer Science. Scholarships are available to support 3 civilian employees, 5 military officers and 2 at-large candidates beginning in July 2003. The degrees will be taken entirely at NPS; there are no partnership arrangements with other universities. Students in the NPS program will also receive NSTISSI 4011 certification.

NPS will offer a curriculum option that will permit NSTISSI 4011 certified students from IRMC or candidates with certificates from other programs to attend NPS for completion of MS and PhD degrees with a specialization in Information Assurance. Students who do not already possess NSTISSI 4011 certification will be able to obtain it by taking two specific Information Assurance courses at NPS.

The MS program will take 7 to 8 academic quarters to complete. This corresponds to a 2-year program. All MS degree candidates at NPS must complete thesis research and a written thesis.

PhD candidates must complete both written and oral qualifying examinations. Upon completion of these examinations, candidates must complete dissertation research and successfully defend their dissertations before a dissertation committee. The NPS PhD program usually takes three years to complete.

Civilian applicants must be at the GS-9 to GS-13 grade level or higher. Military applicants may range from O-1 through O-6, although most Services select O-3 level officers. Academic qualifications are: a bachelor's degree with a 2.8 grade point average (on a 4.0 scale) or equivalent, for those applying for the MS degree program. Student qualifications for the PhD program will be determined individually and will be based upon universities which the applicants have attended, the number of years they have been out of school, work-related accomplishments, and other factors. Generally, NPS requires PhD candidates to be in the upper half of their MS program peers. The minimum security clearance for NPS students is Secret (or students must be eligible to apply for Secret clearance upon acceptance).

Component nomination packages must include a resume; a recommendation from the individual's supervisor with the endorsement of the next level superior officer; and official transcripts from previous undergraduate and graduate institutions. GRE scores should be included if available.

**Quotas/Student Nominations.** Ten quotas (3 civilian, 5 military and 2 at-large) have been earmarked at NPS for the master's and doctoral degree programs beginning in July 2003. It is suggested that components provide primary and alternate attendees. Component nominations for classes starting July 2003 are due by November 15, 2002 to:

Dr. Cynthia E. Irvine, Director  
Center for INFOSEC Studies and Research  
Information Assurance Scholarship Program  
Code CS/Ic

Naval Postgraduate School  
Monterey, CA 93943

Information regarding the Naval Postgraduate School program can be obtained at <http://cissr.nps.navy.mil/scholarships.html>. Questions regarding the NPS Information Assurance Scholarship Program may be addressed to Dr. Irvine at Comm: (831) 656-2461 or DSN 756-2461.

### **Air Force Institute of Technology (AFIT)**

The AFIT offers Master of Science degrees in Electrical Engineering, Computer Engineering, Computer Science and Information Resources Management. PhD opportunities in Electrical Engineering, Computer Engineering or Computer Science are also available. Each degree has a specialization in Information Assurance (IA). All degree participants completing the IA specialization will also receive NSTISSI 4011 Certification. Estimated completion time for the master's is 18 months and three years for the PhD. Length of programs may be extended if prerequisite knowledge is needed.

Civilian applicants and military applicants may be of any grade. Applicants pursuing a master's degree must have an appropriate bachelor's degree with a minimum 3.0 GPA. Applicants pursuing a doctorate must have an appropriate master's degree and a 3.5 GPA. Required Graduate Record Exam scores are: MS, 500 verbal, 600 quantitative; PhD, 550 verbal and 650 quantitative. Waivers to the minimum GPA and/or GRE score requirements may be granted (waivers are considered on a case-by-case basis). The minimum security clearance is Secret (or students must be eligible to apply for Secret clearance upon acceptance).

Component nomination packages must include a resume; a recommendation from the individual's supervisor with the endorsement of the next level superior officer; and official transcripts from previous undergraduate and graduate institutions.

**Quotas/Student Nominations.** For FY03, AFIT can support ten starts for at-large quotas (preferably 5 civilians and 5 military) for the master's and PhD programs. Component nominations for classes starting August 2003 are due by March 1, 2003 and should be forwarded to:

Dr. Richard A. Raines  
Department of Electrical and Computer Engineering  
Air Force Institute of Technology  
2950 P St. Bldg 640  
Wright-Patterson AFB, OH 45433-7765

Questions concerning AFIT programs should be addressed to Dr. Raines at Comm: (937) 255-3636 extension 4715, DSN 785-3636 x 4715 or via email to [richard.raines@afit.edu](mailto:richard.raines@afit.edu).

# DOD Information Scholarship Program Civilian and Military Quota Allocation by Component and School

**January 2003-August 2003**

**PLEASE NOTE: Components are encouraged to provide alternate candidates and additional nominees, as unused quotas from one organization may be used by another.**

	Army		Navy		Marine		AF		DISA	NSA	At Large	Subtotal			Total
	Civ	Mil	Civ	Mil	Civ	Mil	Civ	Mil	Civ	Civ		Civ	Mil	At Large	
<b>IRMC + Partner</b>															
Jan 03	2	2	2	2			2	2	1	1	4	8	6	4	18
<b>IRMC Partner Only*</b>															
Jan 03											5			5	5
<b>AFIT</b>															
August 03											10**			10**	10
<b>NPS</b>															
Jul 03	1	2	1	1			1	2			2***	3	5	2***	10
<b>Total</b>	3	4	3	3			3	4	1	1	21	11	11	21	43

\*Must have finished IRMC CIO Certificate and/or Advanced Management Program and 4011 Certification within last two years

\*\*Prefer half civilian and half military

\*\*\*Prefer civilian